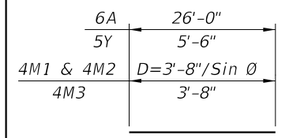
# CONVENTIONAL REINFORCING BAR BENDING DETAILS

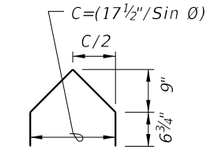
## BILL OF REINFORCING STEEL

| MARK | NOTE NUMBERS | SIZE | NUMBER REQUIRED | LENGTH (NOTE 2) |
|---|---|---|---|---|
| A | — | 6 | 8 | 26'-0" |
| C1 | 7, 8 & 9 | 3 | 19 (End 1) | Varies |
| C2 | 7, 8 & 9 | 3 | 19 (End 2) | Varies |
| D1 | 7, 8, 9 & 10 | 3 | 38 (End 1) | Varies |
| D2 | 7, 8, 9 & 10 | 3 | 38 (End 2) | Varies |
| D3 | 9 & 10 | 3 | See Table | 4'-3" |
| K | 5, 6, 8, 9 & 10 | 5 | See Table | 7'-2" |
| M1 | 7 & 9 | 4 | 17 (End 1) | Varies |
| M2 | 7 & 9 | 4 | 17 (End 2) | Varies |
| M3 | 9 | 4 | See Table | 3'-8" |
| N | 4 & 12 | 3/8" Ø Strand | 4 | Dim. L |
| Y | 8 & 9 | 5 | 16 | 5'-6" |
| Z | 5, 6, 8, 9 & 10 | 5 | 12 | 6'-8" |

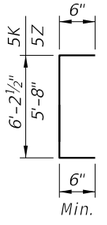
## BENDING DIAGRAMS (See Note 2)




BARS 6A, 4M1, 4M2, 4M3 & 5Y

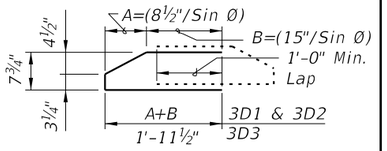



BARS 3C1 & 3C2




BARS 5K & 5Z

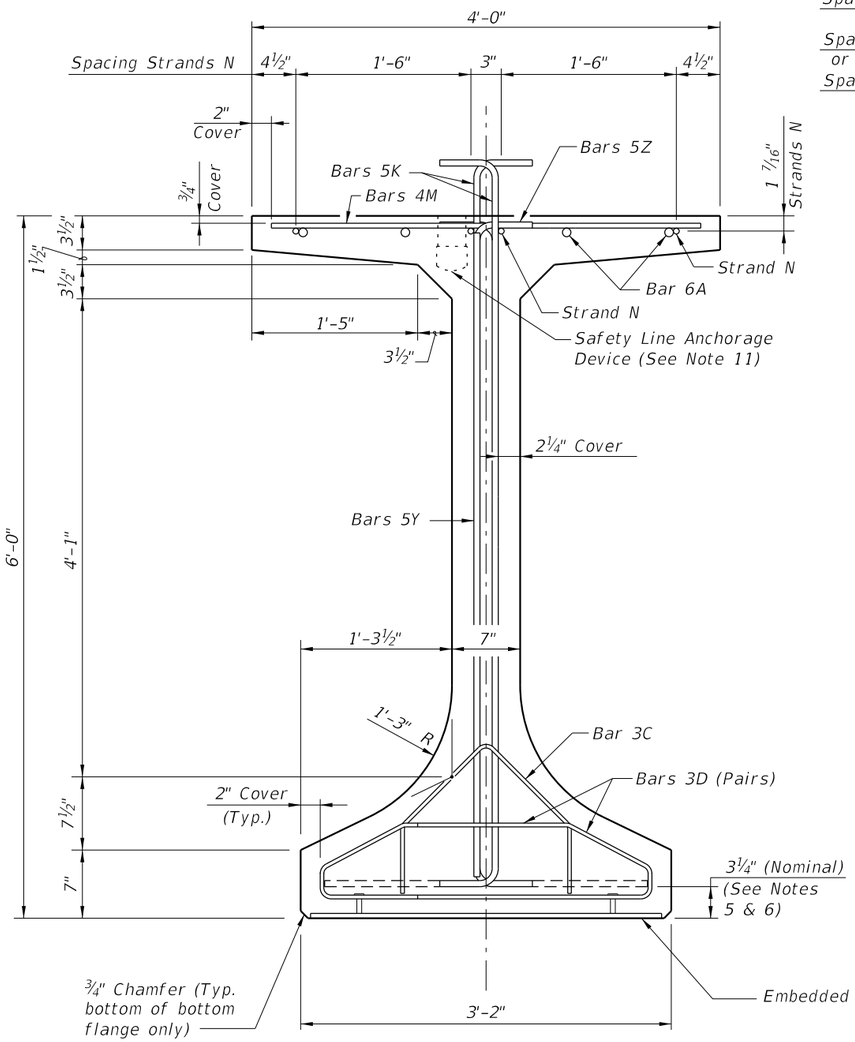
Ø=90° for Bars 3D3



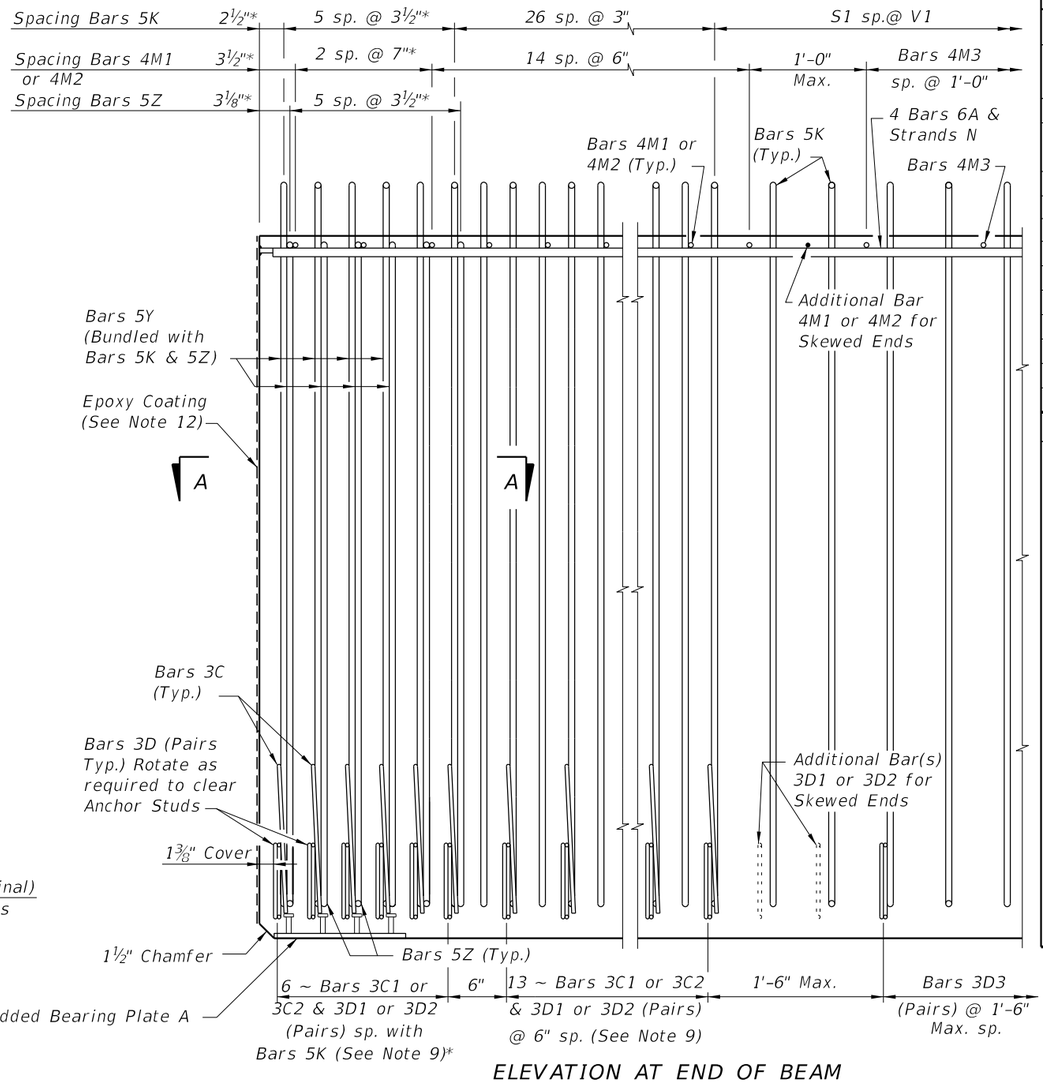

BARS 3D1, 3D2 & 3D3

NOTES:

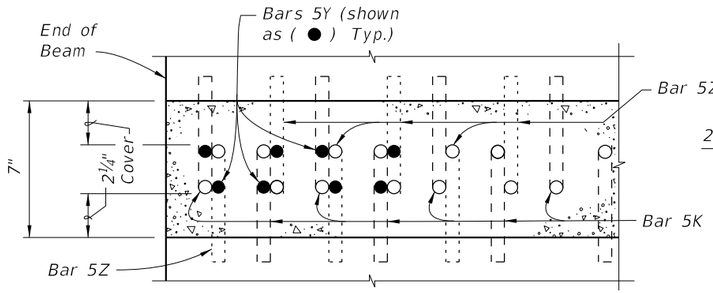
A. Work this Index with Index 450-010 – Typical Florida-I Beam Details and Notes and the Florida-I Beam – Table of Beam Variables in Structures Plans.
B. For referenced notes, see Index 450-010.
C. For Dimensions A, B, C, D, L, R & V1 and number of spaces S1 thru S4, see Florida-I Beam – Table of Beam Variables in Structures Plans.



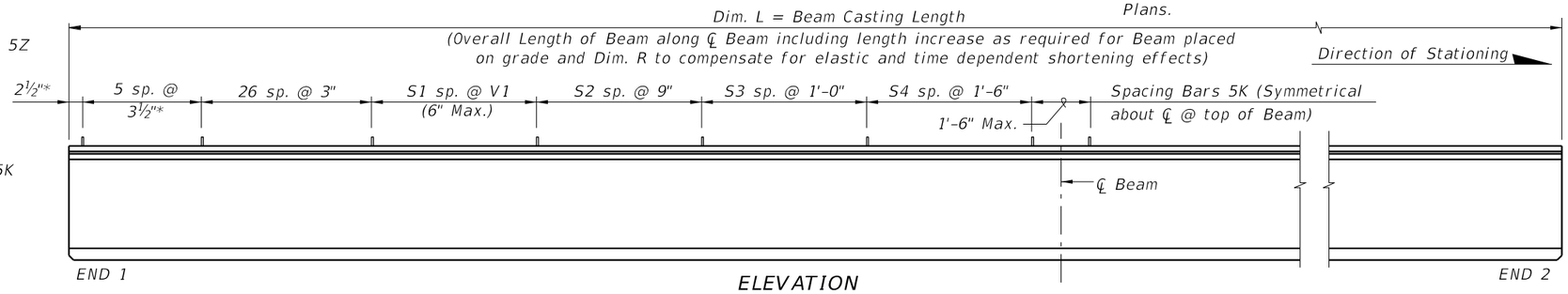

END VIEW




ELEVATION AT END OF BEAM
(Flanges Not Shown For Clarity)
(End 1 Shown, End 2 Similar)




SECTION A-A FOR CONVENTIONAL REINFORCING
(Showing Bars 5K, 5Y & 5Z Only)




ELEVATION

| LAST REVISION | REVISION | DESCRIPTION: | | | |
|---|---|---|---|---|---|
| 11/01/19 | | | FY 2025-26 STANDARD PLANS | FLORIDA-I 72 BEAM - STANDARD DETAILS | INDEX 450-072 / SHEET 1 of 2 |

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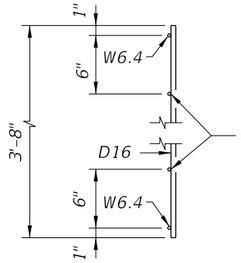
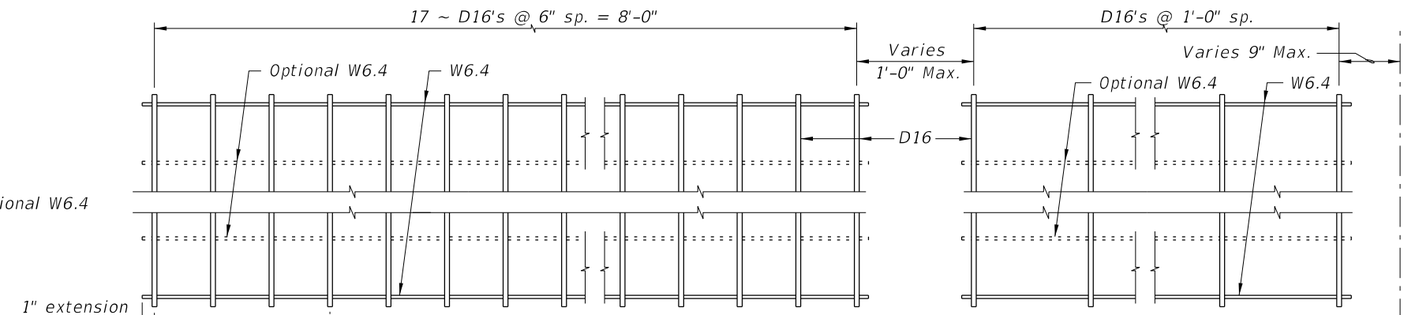
# ALTERNATE REINFORCING STEEL (WWR) DETAILS

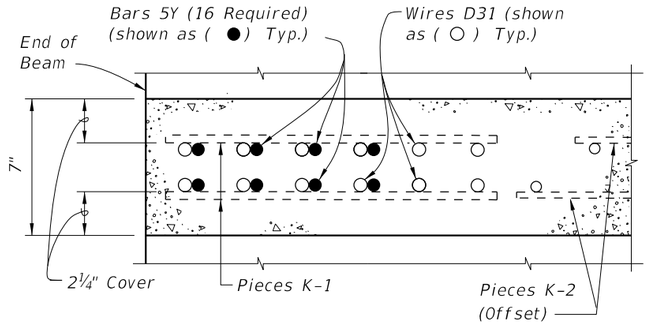



PIECES M
END VIEW

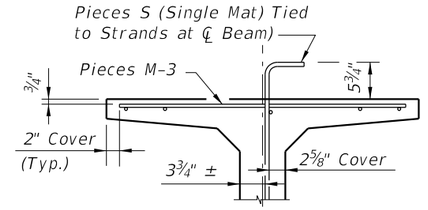



PLAN VIEW
PIECE M-1
(2 Required)

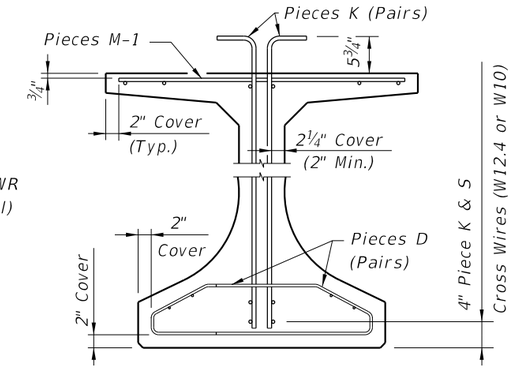
PLAN VIEW
PIECE M-3
(2 Required)



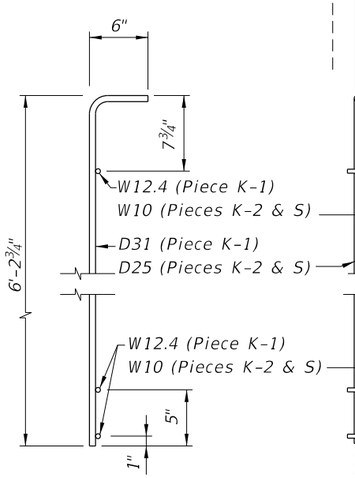

SECTION A-A
FOR WELDED WIRE REINFORCEMENT



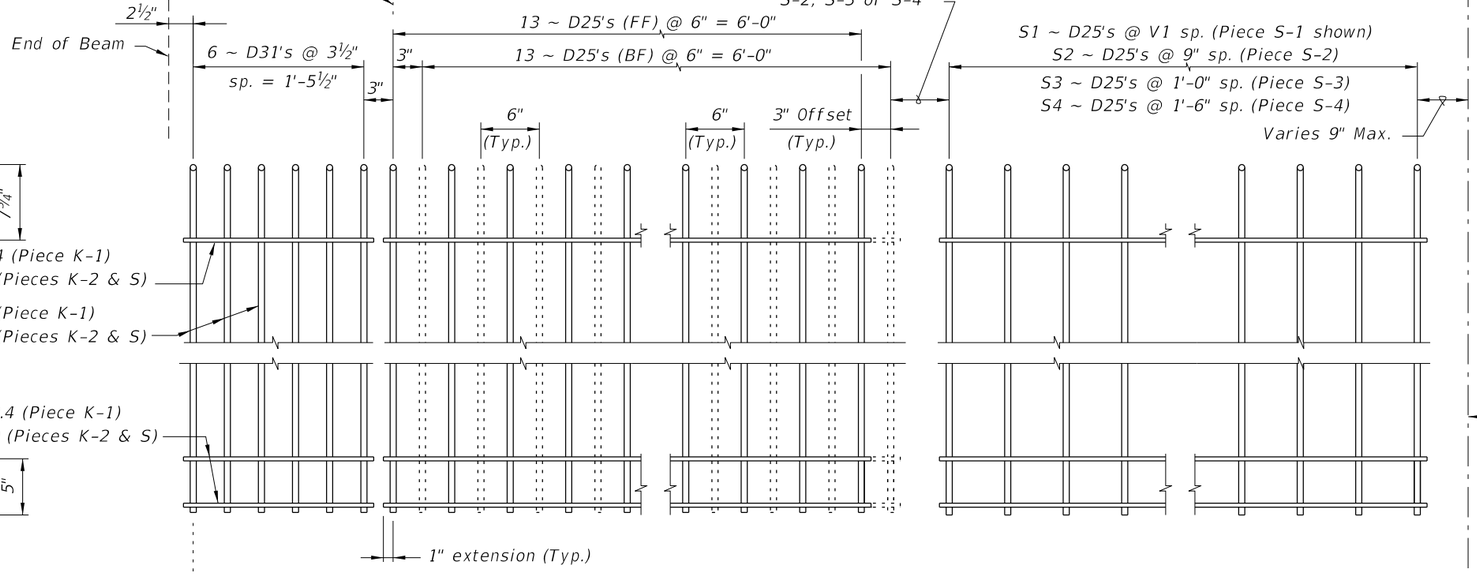

PARTIAL SECTION AT CENTER BEAM




PARTIAL BEAM END VIEW
(Conventional Reinforcing Bars A, C, Y
and Strands not Shown for Clarity)



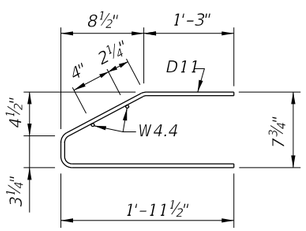

PIECES K & S
END VIEW



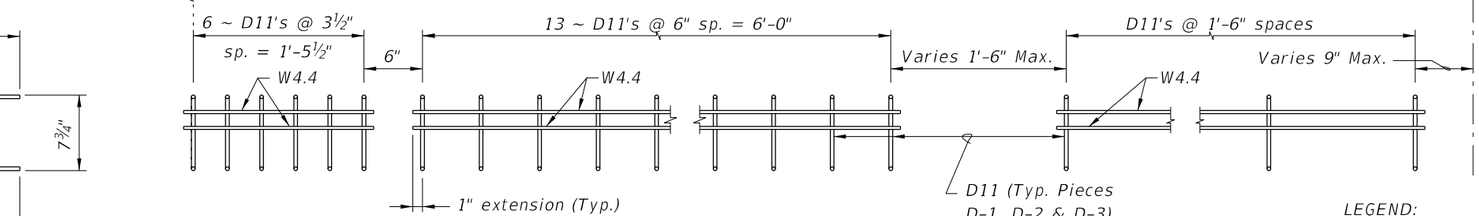

PIECE K-1
(Aligned EF)
(4 Required
~ 2 Pairs)

PIECE K-2
(FF Shown Solid, BF Shown Dashed)
(4 Required)

PIECE S-1, S-2, S-3 or S-4
(2 Required ~ Each Piece)




PIECES D
END VIEW




PIECE D-1
(4 Required ~ 2 Pairs)

PIECE D-2
(4 Required ~ 2 Pairs)

PIECE D-3
(4 Required ~ 2 Pairs)

LEGEND:
EF = Each Face
FF = Front Face
BF = Back Face

NOTES:

a. See Sheet 1 for placement details & Table of Beam Variables in Structures Plans for variables S1, S2, S3, S4 & V1.
b. Place Conventional Reinforcement Bars 6A & 3C as shown on Sheet 1. Place additional Bars 5Y as shown in Section A-A for WWR. Bars 5Z will not be used with the WWR Option.
c. Pieces may be fabricated in multiple length sections.
d. For beams with skewed end conditions, Pieces D-1, D-2 & M-1 shall not be used; Conventional Reinforcement Bars D1, D2, C1, C2, M1 & M2 shall be used. See Index 450-010 Skewed Beam End Details and Note 9 for placement details. Shift Pieces K & Bars 5Y to accommodate skewed end conditions and align with Bars C and D.

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| LAST REVISION | REVISION | DESCRIPTION: | FY 2025-26 STANDARD PLANS | FLORIDA-I 72 BEAM - STANDARD DETAILS | INDEX | SHEET |
|---|---|---|---|---|---|---|
| 11/01/16 | | | | | 450-072 | 2 of 2 |